**NATHAN OTSUKA**

Boulder, CO 80303

Phone: 303-909-5151 | Email: nathan.otsuka3@gmail.com

LinkedIn: https://www.linkedin.com/in/nathan-otsuka-59ab1689/ | GitHub: https://github.com/otsukan

**Summary**

Work as a server at The Rio Grande Mexican Restaurant. Decided to make a career change to pursue my passion for analytics. Therefore, obtained a Data Analytics and Visualization Boot Camp certificate after having passed three actuarial exams through self-study. Loved every minute of learning Python and JavaScript and find actuarial science to be a very fascinating subject matter. Majored in International Affairs in college.

**Technical Skills**

**Frontend:** JavaScript, HTML, CSS, Bootstrap

**Backend:** Python, Postgres, MongoDB, SQL

**Projects**

**Optimal Portfolio** | **https://github.com/otsukan/Project-3.git |**

* To use machine learning to find a relationship between company financial metrics and whether or not they outperformed the S&P 500’s returns over the past 10 years. Used that relationship to make a stock portfolio that beat the S&P 500.
* Built the scripts that retrieved the financial metrics data from an API and stored it in a database, and developed the machine learning code that made stock predictions.
* Python, Postgres, Scikit-learn

**Drivers of Economic Growth | https://github.com/otsukan/Project-2.git | https://otsukan.github.io/Project-2/**

* Gathered economic data over a range of countries and visualized its historical relationship to GDP.
* Created the scripts that gathered the data from an API and stored in a database, developed a REST API, and made the code that visualized the data.
* Python, Flask, JavaScript, MongoDB, HTML, CSS, D3

**Drivers of Health Care Costs | https://github.com/otsukan/project-1-data-analytics.git |**

* Analyzed and visualized health care costs and the amount consumers spend per capita by state.
* Found the csv’s, built the tables, and developed visualizations.
* Python, Matplotlib, Pandas

**Experience**

**Server** 2014-Present

**The Rio Grande Mexican Restaurant** Boulder, CO

* Serve $600-$2,000 worth of food and drinks to 6-12 tables in 4-8 hour shifts
* Explain our food options and cocktails

**Expo** 2013-2019

**The Rio Grande Mexican Restaurant** Boulder, CO

* Organize up to $10,000 worth of food on trays
* Direct 4 food-runners to get food to customers and order online deliveries
* Manage the communication between back and front-of house

**Education**

**Boot Camp Certificate: University of Denver**, Denver, CO

A 6-month program that built a strong foundation in extraction, storage, statistical analysis, queries, and visualization using Python, JavaScript, Postgres, MongoDB, and HTML. Developed complementary skills in Excel, Tableau, Big Data, R, and machine learning.

**BA in International Affairs and Japanese: University of Boulder, CO**, Boulder, CO

**Actuarial Exams,** Society of Actuaries

Passed the Probability, Financial Mathematics, and Investment and Financial Mathematics Exams.